



CROSSTALK

THE MONTHLY NEWSLETTER OF THE TRW/ARC

MEMBER ARRL CLUB NUMBER 1658 MEMBER LAACARC
** FD'71 ** FD'73 ** FD'75 ** FD'76 ** WAS ** WAC **
W6TRW REPEATER: 145.32/-6 (PL 2A)
UHF: 442.000 IN/447.000 OUT

CALENDER FOR JULY AND AUGUST

FRIDAY Every Friday Club Breakfast in Bldg S Cafeteria anytime after 7 am. All Club members are welcome to attend.
WEDNESDAY Every Wednesday Emergency Communications Team Check-in. Noon on 145.32. Everyone is encouraged to check-in.
TUESDAY July 26 Noon Club Meeting in R10/2778. Guest Speaker will be Fried Heyn, WAGWZO, ARRL Southwestern District Director.
SATURDAY July 30 8-11 am. Swap Meet at the northwest corner of Compton/Marine and Aviation behind the Chevron Station.
THURSDAY August 4, 5:30 pm. Executive Board Meeting at Pizza Hut, 5107 El Segundo Blvd at Oceanfront. All Club members are welcome.
SATURDAY August 20 Reno Hamfest. California Bldg at Idlewild Park in Reno. Talk in on 146.61-147.30+ 146.64-224.46-444.825+
SATURDAY August 27 8-11 am. Swap Meet at the northwest corner of Compton/Marine and Aviation behind the Chevron Station.
TUESDAY August 30 Noon. Club Meeting, R10/2778.
DEADLINE FOR AUGUST CROSSTALK IS AUG. 19TH.

FIELD DAY 1988

by Bill S. KESLD

Field Day 1988 was a very successful Club event with all participants having a good time. We got most of our set-up done Friday evening, 6/24, and when darkness came we had a BBQ. Joe Dietrich, WD6DCD, hosted the BBQ. Saturday morning we finished up the set-up and got on the air at 11 to 11:30 am. Sami Komatsu showed up at 11:30 am and set up a nice "build your own sandwich" buffet. It was excellent. All bands bustled with activity throughout the afternoon and evening. Serge Miller, W6BJY, and spouse arrived at 6 pm and set up a fine spaghetti dinner.

Joe Dietrich, our computer logging czar, has number crunched the seven radio station logs with the following results:

ACTUAL QSO's
40 CW = 626, 20 CW = 349, 15 CW = 57, 40 SSB = 468, 20 SSB = 576, 15 SSB = 530, 2N FM and SSB = 221. The Novice station has 347 contacts total, 249 on 10M, 37 on 220, and 61 on 450. Total number of contacts for all stations was 3174.

With multipliers included, that put our score at 8700.

BONUSES EARNED

We earned 100 bonus points each for the following: operating solar power, operating packet, publicity, receiving the WIAW message, and 100 points per station for operating on emergency power.

We also received a special bonus totaling 130 points for contacting four special UE-QST stations operating out of Canada. We got 100 pts for the first one and 10 each for the other 3.

TOTAL POINTS = 9936 (Subject to ARRL approval)

Comparing our totals to last years FD, we are up 2000 points. We were fourth nationally last year, so we just may be 2nd or 3rd this year. If we could have manned a 15M CW station continuously, we would have added another 2000 or so points to the score and may well have been 1st.

Thanks to John, NGJLS, for doing the Sunday morning pancakes and sausage breakfast. As usual, it was well attended.

(Con next page)

FIELD DAY (con)

The motion-detecting security flood lights worked well except for when the wind blew briskly. The pole mounted light assemblies wiggled slightly and the movement triggered the lights on. We did not get visited during the night by any wild 4 WD vehicles, as was the case last year. Possibly the lighting discouraged any such visits.

In summary, Field Day 1988 was a success. Many thanks to the club members that got involved and helped me to pull it off. Any suggestions for improvement can be sent to me at M4-2161 or voiced on the club repeater.

73

One Line Please....

Just read page 9 in the July 1988 issue of QST "Due Process and RFI." I agree now and 35 years ago. Bill Deus, K6AWO

FROM THE LIBRARY

by George Lee W6IOW

What's new in the July issue of:

QST: A Talking Wattmeter (an orator); A Low-drive G-G 3CX800A Amplifier (25 in for 750 w out); A Simple Tuning Indicator (for RTTY); A Multi-purpose DTMF Encoder; Joe Ham Versus UCR RFI (HPF for 75 and 300 ohms); Reviews of the TM-221a/321a/421a Kenwood UHF/UHF FM Xcvs and the JRC NRD 525 HF Rcvr

HR: Propagation of 50 Mhz and Higher; Cheap and Dirty 6 M Beam; Line Voltage and Power Tube Life; A Simple Low-cost Comb Generator (useful to over 1 Ghz)

CQ: Reviews of the Create CU48 80/40M Vertical, the Yaesu FT-736R S11-mode UHF/UHF Xcvr, the Kenwood TH25AT/45AT and accessories, and the MFJ Gray line DX Advantage (a program showing day/night on world map); Tune up the Modern Way; Semi-Random Code Practice, a New Approach for 13 (a IBM program); Armchair Copy From the Living Room TV (thru ur TV monitoring)

We tried to subscribe to the mag. CTM but it was too late. It ceased publication last month. If any of you have the last few issues, the Librarian would like to borrow them. Contact me at K 63434, RG-1432.

TRW ARC EXECUTIVE BOARD MEETING -- JULY 7

Officers present were President Rich Sauer, VP Don Renkowitz, Secretary Chris Wachs, and Treasurer Dave Stockwell. Appointed officers present were Activity Manager Jeff Shields, Trustee Phil Bergeron, Swap Meet Chairman Frank Cartier, Membership Chairman Bill Deus, SEA Rep Paul Herbert, and permanent Acting Newsletter Editor David Kropp.

The meeting was called to order by Rich Sauer. There were several motions brought before the board. First motion was made by Frank Cartier for the Swap Meet Crew Gift Certificate Program. The motion was that the Swap Meet Chairman shall identify up to eight crew members per month. Any crew member that serves six Saturdays will receive a gift certificate redeemable at a local amateur radio store. The amounts are \$150 for those that work six full shifts (6:30am to 11:30 am) and \$100 for those that work six half shifts (either 6:30 am to 9:30 am or 9:00 am to 11:30 am). All gift certificates will be awarded at the discretion of the Swap Meet Chairman. The motion was passed by all voting members.

The next motion was presented by Rich Sauer and asked that the treasurer set up a \$3000.00 reserve in the budget. The action item asked that Dave Stockwell take three months to build the account to it's full amount. No vote was taken on the motion.

Jeff Shields asked to have the budget for door prizes raised from \$50 to \$75. The motion passed.

Rich Sauer motioned that the TRW ARC be a sponsoring club for the 1989 ARRL Southwestern Convention which will be held somewhere near LAX next year. No vote was taken and the issue will be re-introduced at the next EBM.

Other events included the appointing of Steve O'Neal as committee chairman for a proposed "Planning Committee." The committee would work on where we want the club to go over the next few years.

Phil Bergeron is planning a, you guessed it, shack clean-up party!! Bill Deus reported that the club has a total of 247 (con

members with, as always, the same 10 doing all the work. Paul Herbert reported that the computer phone line is all ready to go (turned on July 15 -- call Chris Wachs for info). He also will work on a hand out for next year's field day that we will be able to give to passers-by. Don Renkowitz volunteered for Banquet Chairman for this year. Chris Wachs and Jeff Shields reported that the OSCAR station will be ready for use with OSCAR 13, scheduled for launch at the end of this month. Rich thanked everyone for coming and closed the meeting at 19:11.

PRESIDENT'S CORNER

by Rich Sauer N6CIZ

It's been a busy few months for the TRW ARC and its members. Field Day has come and gone with no casualties. Thanks to the efforts of a lot of people, we were on the air on time and, hopefully, our score will place us near, if not at, the top. The list of people to thank for this effort is a long one and heading it is Bill Schrecengost, KE6LB. Bill pulled off a Herculean effort yet again. Coordinating a job like Field Day is not an easy task and, since much of the work is done behind the scenes, not everyone recognizes it. Thanks Bill for a job well done!!

I hesitate to start naming names, since I'll leave someone out, but thanks to N6DNU for staying up late to make power line filters for each station, KG6CR for working with TRW facilities for the generator (whose voltage never once went near 150 VAC this year!!), N6JLS for his pancake breakfast, Sammy Komatsu for the other meals, and everyone else who worked, slaved and played to make F088 a success!!

The TRW ARC was well represented at the June UHF Contest. This year, we again joined forces with other contesters from the LA area. Our group, N6CA, should finish 2nd IN THE NATION according to preliminary information. TRW-ites taking part were myself, WA6RAY, KB6LSE, WB6TCR, and N6RRY. Special thanks to Bill Dews, K6AWO, who really spearheaded the project this year. UHF contests used to be owned by East Coast stations, but the effort put forth by our Club since WA2KDL sparked an interest a few years back has really (con)

shaken up the establishment. The Club has found itself a new Activities Manager and Training Charman in one person. Bob Schneider, WA8UKF, has come on board in the last few months and has volunteered for just about anything we could throw at him!! Bob has some great plans, so stay tuned. (By the way, volunteers are found in the oddest places. Bob was recruited by Bill Dews who met him in an airport on the way back from the Dayton Hamvention).

Jeff Shields, N9CZA, is another great volunteer. He's done a lot of work on the OSCAR station in Building 65. Thanks to Jeff, Chris Wachs, Phil Bergeron and Terry Thompson for their continuing work in the Club shack

Keep up the good work!! I apologize to all the others who work in the Club's interest and don't get the recognition for it. Mel Erb, who handles the QSL cards and Club mail. Dave Stockwell for keeping the check book balanced. Frank Cartier for keeping the checkbook in the black through his efforts at the swapmeet. George Lee for maintaining the library. To these, and to everyone else, thank you on behalf of the Club

LAACARC MEETING NOTES

by Rich Sauer N6CIZ

It was my pleasure to attend the Los Angeles Area Council of Amateur Radio Clubs meeting on July 5th. A lot of information was passed on, including some interesting volunteer opportunities for members of the TRW Amateur Radio Club.

First, planning is now going on for the 1989 ARRL Southwestern Convention to be held at a hotel near LAX. The TRW ARC has been asked to participate. Jobs that need filling include prizes and drawings, T-hunt, advertising and publicity and setting up technical sessions. A few years ago, when the convention was held on the Queen Mary, the Club helped out with door prizes. The Executive Board agreed that this is a very worthy activity to support. Any volunteers? We need to know soon since planning is going on NOW.

Clubs are being solicited to help out at the LA County Fair in Pomona from Sept. 15 to (con)

Oct. 2. What this entails is choosing a day when the Club can support the Amateur Radio booth from 10 am to 10 pm. It will take 12 operators (6 shifts of 2 hours each, manned by 2 operators per shift). Operators will get free admission to the Fair for the day. They are looking for people who can talk to the public. The Amateur Radio Booth is in the Education Hall, so operators cannot just spend their time talking on the radio -- they must educate the public. Handouts with info about Ham Radio will be provided. They are also looking for groups who can set up displays of specialized Ham Radio communications such as ATV, OSCAR, RTTY, packet, etc. If enough Club members show an interest, we'll see if the TRW ARC can help.

The Museum of Science and Industry is remodeling and is very interested in setting up a permanent Amateur Radio exhibit. They are looking for volunteers to help them out.

If you are interested in helping out with any of these activities, please contact me as soon as possible and I'll steer you in the right direction. If the TRW ARC is going to participate, we need to make the decisions soon. Please let me know what your thoughts are.

LEGISLATION AIDS AMATEUR RADIO **by Rich Sauer N6CIZ**

The service of Amateur Radio has come under attack in some circles lately. The most recent has been the effort of United Parcel Service to acquire a large chunk of the 220 band for its business radio system. Hams across the country have written the FCC, congressmen and other government officials to voice their opposition.

We have been joined in this battle by the Department of Defense, who has filed a reply to the FCC regarding the UPS proposal. In a nutshell, the DOD supports Amateur Radio and asks the FCC to reject the UPS proposal on the grounds that Amateur Radio provides an emergency communications service that no one else can. The 220 MHz band is an integral part of this service.

Now, another development has occurred which could help make these attacks on our frequency spectrum a thing of the past.

Congressman Robert Dornan of California has introduced a resolution in the House regarding Amateur Radio. A similar resolution has also been introduced in the Senate. House Consent Resolution 317 and Senate Consent Resolution 127 basically state that Amateur Radio provides a public service to the nation with Amateurs providing volunteer emergency communication services and, therefore, Amateur Radio should be supported in every way possible. The interesting part of this resolution is the following sentence: "Government agencies shall avoid actions which would reduce amateur radio frequency allocations used for such purposes."

Although they don't carry the weight of law, these resolutions clearly state the sense of Congress. The FCC, which gets its funding from Congress, would probably not be too quick to give away Ham Radio frequencies if these resolutions are passed. These are landmark resolutions and every Amateur Radio operator should call or write his (or her) Congressman and Senator to let them know how he (or she) feels about them.

TIDBITS

by David Kropp N6PLU

First off, I want to thank Rich for making certain the paper would go to full length this month. I did not have room to print all the articles he sent (I got all but one in, Rich).

Second, I guess I should tell everyone that I got a new job before they hear ugly rumors on the repeater about me. I am now working for the Department of Treasury, Internal Revenue Service as a (horrors!) tax auditor. This does not mean that I am an evil person. But maybe you should be nice to me, just in case.

Third, I want to tell Chris Wachs to look at the back of the June newsletter and this one. I did list him as past president.

Last, the search for new software is going on. I have not yet had a real good chance to look, but what I have found in the brief sorties I have made does not look promising. Nothing I have seen for the Apple allows me to control the print style. Bear with me for now. 73

EMERGENCY COMMUNICATIONS NEWS by Rich Sauer W6CIZ

It is Thursday morning, 10:35 am. Sipping a cup of coffee, Joe Engineer is sitting at his desk in Building M2. As he puts down the cup, he notices little ripples on the surface of the coffee. He feels a gentle rolling motion, then hears a low roar. Joe freezes. Earthquake!

The rolling motion gets worse and the roar grows louder. Now, everything is shaking violently. Joe is thrown from his chair, books fall from shelves, ceiling tiles fall on him. Someone in the bay screams. Joe waits for the earthquake to stop but it doesn't. In fact, it seems to be getting worse! The lights go out and suddenly it's pitch black in the office.

After what seems an eternity, the shaking stops. Emergency lights are on in the bay and in the hallway. The air is filled with dust. Joe stands up, his heart pounding in his chest, adrenaline pumping through his body. His office is a shambles. Half the ceiling has collapsed and water is gushing from above.

Joe picks his way through the debris into the bay. Others are emerging from their offices. The ghostly quiet after the quake is being replaced by the sound of people talking, shouting, running, moving things. "Get out of the building! Get out!" someone shouts. As Joe Engineer makes his way to the hallway he sees his secretary on the floor, unconscious. The bay's supply cabinet has fallen on her, breaking her leg.

"Hey, somebody help," Joe yells. People ignore him as they rush to get out of the building before an aftershock hits. He tries to move the cabinet but it is too heavy. He goes to the phone, lifts the receiver and finds the line dead.

* * * * *

This scenario doesn't present a very pretty picture of what we can expect when "The Big One" hits. But what will the hams be doing? Believe me, we'll be just as lost as everyone else. With all our talk about providing emergency communications, we will NOT be ready.

I think that part of the problem stems from the fact that we are planning for the future and an earthquake is some distant occurrence that we have time to get ready for. What would (con)

happen if we had an earthquake right now, as you are reading this? As an Emergency Communicator, are you ready? Where's your HT? Left it home today? Battery dead? What about that mobile rig in the car? You know, the one with the intermittent in the mic cord that you are going to go around to fixing one of these days? Have a flashlight handy? What about a jacket? It gets cold at night and if you cannot make it home, are you going to be one of those huddled in a shelter or helping those in shelters? Most important, if you want to help, are you an active member of an Emergency Communications organization? During an emergency, do not try showing up on frequency saying "I'm here to help. What do you want me to do?" QSY off the frequency and leave us alone! If you do not know what to do before you are needed, we cannot take the time to explain it to you after the fact. Join RACES or ARES and take some time to find out how you can be a help -- not a hinderance.

Being ready does take planning but it also takes action. Think about things for a while, but then take some action. No, we won't be 100% prepared and there's no grand scheme to save the world through Ham Radio. We will take our share of mistakes, but so will everyone else. It is up to each of us to do things now to minimize problems when Amateur Radio's unique capabilities will be put to the test. The individual will make the difference. Will you be ready?

Just a quick reminder: The TRW Amateur Radio Club Emergency Communications Team check-in takes place every Wednesday at noon on the TRW 2 meter repeater. You do not have to be a member of anything to join the net, just report your Emergency Communications capability.

ED NOTE: I am pretty certain that Rich has info on RACES and ARES. If you are interested in either of these organizations, contact him and he can at least steer you in the right direction. There is also an ARES net on 146.820~ that meets Tuesday nights at 7:00 pm. Check in three times in a row, and your on the team. It's that simple.